

L17 ANSWER 84 OF 122 HCAPLUS COPYRIGHT 2002 ACS  
 AN 1983:56981 HCAPLUS  
 DN 98:56981  
 TI **Fuel gases** for use in cutting steels  
 PA Suzuki Shokai K. K., Japan  
 SO Jpn. Kokai Tokkyo Koho, 3 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC C10L003-00  
 ICA B23K007-00  
 CC 51-24 (Fossil Fuels, Derivatives, and Related Products)  
 Section cross-reference(s): 55

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 57133191	A2	19820817	JP 1981-19745	19810213
AB	In cutting steel plates with a H-torch flame, the nonluminous inner cone of the flame is distinctively colored by adding .ltorsim.15 vol.% of .gtoreq.1 of hydrocarbons, alcs. <b>aldehydes</b> , and ethers to the <b>fuel gas</b> . MeOH [67-56-1], acetone [67-64-1], and C6H6 [71-43-2] are used as illustrative examples.				
ST	steel cutting hydrogen flame coloring; methanol coloring agent hydrogen flame; acetone coloring agent hydrogen flame; benzene coloring agent hydrogen flame				
IT	Coloring materials (for hydrogen flames, in steel cutting)				
IT	Flame (hydrogen, coloring of, for steel cutting)				
IT	12597-69-2, uses and miscellaneous RL: USES (Uses) (cutting of, coloring of hydrogen flames in)				
IT	1333-74-0, uses and miscellaneous RL: USES (Uses) (flames, coloring of, for steel cutting)				
IT	67-56-1, uses and miscellaneous 67-64-1, uses and miscellaneous 71-43-2, uses and miscellaneous RL: USES (Uses) (hydrogen flame coloring by addn. of, in steel cutting)				